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Summary of Motor Vehicle Accidents in the Petroleum Industry for 1984

AUGUST 1985

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



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Statistics Department

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**American
Petroleum
Institute**



SUMMARY

MOTOR VEHICLE ACCIDENTS IN THE PETROLEUM INDUSTRY IN 1984

The American Petroleum Institute's fifty second survey of motor vehicle accidents in the petroleum industry represents the collective experience of 90 companies. Although this number does not reflect the counting of subsidiaries individually, since they were not reported separately, the reported data does include the experience of subsidiaries in most cases.

Table I shows that 80 companies operated 53,262 vehicle which traveled 1,451,457,000 miles and were involved in 5,355 accidents, indicating an average of 271,047 miles per vehicle accident. There was a frequency rate of 3.69 accidents per one million vehicle miles.

Table II shows that 90 companies had a frequency rate of 10.2 accidents per 100 vehicle.

NOTE: Total figures for "All Departments" are greater than the sum of the corresponding figures for the individual departments because some reports did not separate figures for each department. Similarly, the combined figures for cars, service and trucks are greater than the sum of corresponding figures for these three classes of vehicles because some company reports did not give separate figures for each class.

Statistics for 1984 are not comparable to previous years due to the reclassification of functions. Data for 1974 through 1983 are available under separate cover.

Additional copies of this survey may be obtained upon request by writing to:

American Petroleum Institute
Publication & Distribution Section
1220 L Street, N.W.
Washington, D.C. 20005

TABLE I - PETROLEUM INDUSTRY - MOTOR VEHICLE ACCIDENTS PER 1,000,000 MILES

THE NUMBER OF VEHICLE MILES TRAVELED BY DEPARTMENT FOR 1984

Year	No. of Cos.	No. of Cars	PASSENGER CARS REPORTED SEPERATELY				TRUCKS REPORTED SEPERATELY				SERVICE VEHICLES REPORTED SEPERATELY				COMBINATION OF ALL VEHICLES REPORTED													
			No. of Vehicle Miles Traveled (Thous)	No. of Accidents of Millions	No. of Accidents Per One Million Miles	No. of Trucks	No. of Vehicle Miles Traveled (Thous)	No. of Accidents of Millions	No. of Accidents Per One Million Miles	No. of Serv. Veh.	No. of Vehicle Miles Traveled (Thous)	No. of Accidents of Millions	No. of Accidents Per One Million Miles	No. of All	No. of Vehicle Miles Traveled (Thous)	No. of Accidents of Millions	No. of Accidents Per One Million Miles											
1984	80	16,979	414,188	1,351	3.26	7,252	129,778	ALL DEPARTMENTS			407	3.14	7,778	355,852	1,207	3.39	53,262	1,451,457	5,355	3.69								
1984	14	702	10,941	56	5.12	137	2,611	EXPLORATION			8	3.06	212	4,751	9	1.89	3,040	69,077	249	3.60								
1984	17	4,004	83,452	211	2.53	2,918	52,976	PRODUCTION			112	2.11	547	7,904	40	5.06	11,575	249,762	731	2.93								
1984	8	2,588	74,682	299	4.00	EXPLORATION & PRODUCTION - NOT SEPARATED ¹											0	0	0	N/A	214	3,360	14	4.17	3,774	95,972	393	4.09
1984	19	136	8,448	31	3.67	13	158	GAS PROCESSING			1	6.33	575	11,960	59	4.93	1,239	32,087	118	3.68								
1984	7	159	2,913	6	2.06	0	0	DRILLING			0	N/A	13	224	3	13.39	221	3,453	12	3.48								
1984	5	100	1,280	12	9.38	19	207	PETROCHEMICALS			0	0.00	16	63	2	31.75	495	10,370	44	4.24								
1984		411	13,209	39	2.95	14	45	REFINING			2	44.44	223	1,435	5	3.48	1,634	25,608	152	5.94								
1984	15	3,021	84,730	263	3.10	170	1,799	MARKETING - WHOLESALE			12	6.67	1,814	133,663	667	4.99	8,930	399,196	1,734	4.34								
1984	11	273	6,766	34	5.03	821	9,013	MARKETING - RETAIL			71	7.88	770	19,678	133	6.76	3,130	57,155	471	8.24								
1984	25	1,372	26,960	88	3.26	1,634	34,393	PIPELINE - CRUDE AND PRODUCTS			66	1.92	951	29,997	90	3.00	5,422	125,704	355	2.82								
1984	16	1,563	56,979	90	1.58	1,212	20,607	PIPELINE - GAS			81	3.93	2,098	133,099	144	1.08	7,718	267,822	501	1.87								
1984	4	4	4,425	7	1.58	0	0	PIPELINE - NOT SEPARATED ²			0	0	N/A	46	1,036	2	1.93	88	15,521	26	1.68							
1984	5	27	551	3	5.44	5	93	MARINE INLAND			0	0.00	1	49	0	0.00	45	1,196	7	5.85								

N/A - Not Applicable

TABLE I - PETROLEUM INDUSTRY - MOTOR VEHICLE ACCIDENTS PER 1,000,000 MILES

THE NUMBER OF VEHICLE MILES TRAVELED BY DEPARTMENT FOR 1984

PASSENGER CARS REPORTED SEPERATELY																		TRUCKS REPORTED SEPERATELY						SERVICE VEHICLES REPORTED SEPERATELY						COMBINATION OF ALL VEHICLES REPORTED					
Year	No. of Cos.	No. of Cars	No. of Vehicle Miles Traveled (Thous)			No. of Accidents	No. of Accidents Per One Million Vehicle Miles			No. of Trucks	No. of Vehicle Miles Traveled (Thous)			No. of Accidents	No. of Accidents Per One Million Vehicle Miles			No. of Serv. Veh.	No. of Vehicle Miles Traveled (Thous)			No. of Accidents	No. of Accidents Per One Million Vehicle Miles			No. of All	No. of Vehicle Miles Traveled (Thous)			No. of Accidents	No. of Accidents Per One Million Vehicle Miles				
			No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		No. of Miles	No. of Accidents	No. of Accidents Per One Million Vehicle Miles		
RESEARCH AND DEVELOPMENT																																			
1984	10	161	1,671	15	8.93	20	71	0	0.00	8	29	0	0.00	393	3,914	34	8.69																		
GENERAL SERVICES																																			
1984	11	129	1,542	11	7.13	257	7,411	54	7.29	158	4,071	28	6.88	723	21,497	138	6.42																		
ADMINISTRATION, ENGINEERING & OTHER																																			
1984	32	2,325	35,575	186	5.23	31	380	0	0.00	132	4,533	11	2.43	4,767	72,125	379	5.25																		

N/A - Not Applicable

¹E&P data unable to be separated into Exploration or Production functions.

²Pipeline data unable to be separated into Liquid or Gas functions.

TABLE II - PETROLEUM INDUSTRY - MOTOR VEHICLE ACCIDENTS PER 100 VEHICLES

BY DEPARTMENTS FOR 1984

Year	No. of Cos.	PASSENGER CARS REPORTED SEPERATELY			TRUCKS REPORTED SEPERATELY			SERVICE VEHICLES REPORTED SEPERATELY			COMBINATION OF ALL VEHICLES REPORTED		
		No. of Cars	No. of Accidents	No. of Accidents Per 100 Vehicles	No. of Trucks	No. of Accidents	No. of Accidents Per 100 Vehicles	No. of Service Veh.	No. of Accidents	No. of Accidents Per 100 Vehicles	No. of All	No. of Accidents	No. of Accidents Per 100 Vehicles
1984	91	17,910	1,465	8.2	8,270	436	5.3	9,207	1,461	15.9	56,639	5,757	10.2
ALL DEPARTMENTS													
1984	15	756	59	7.8	140	8	5.7	216	9	4.2	3,101	252	8.1
EXPLORATION													
1984	19	4,015	211	5.3	2,938	112	3.8	583	42	7.2	11,642	735	6.3
PRODUCTION													
1984	9	2,682	318	11.9	84	0	0.0	338	46	13.6	4,076	444	10.9
EXPLORATION & PRODUCTION - NOT SEPARATED ¹													
1984	20	214	47	22.0	84	1	1.2	734	99	13.5	1,547	174	11.2
GAS PROCESSING													
1984	8	173	6	3.5	0	0	N/A	15	3	20.0	237	13	5.5
DRILLING													
1984	6	105	12	11.4	73	0	0.0	29	2	6.9	567	44	7.8
PETROCHEMICALS													
1984	24	505	48	9.5	321	5	1.6	494	103	20.9	2,306	264	11.4
REFINING													
1984	22	3,154	278	8.8	208	18	8.7	1,939	698	36.0	9,226	1,786	19.4
MARKETING - WHOLESALE													
1984	12	468	66	14.1	860	80	9.3	854	153	17.9	3,447	532	15.4
MARKETING - RETAIL													
1984	27	1,435	90	6.3	1,795	76	4.2	1,241	121	9.8	5,936	398	6.7
PIPELINE - CRUDE AND PRODUCTS													
1984	17	1,573	90	5.7	1,215	81	6.7	2,112	144	6.8	7,745	501	6.5
PIPELINE - GAS													
1984	4	4	7	175.0	0	0	N/A	46	2	4.3	88	26	29.5
PIPELINE - NOT SEPARATED ²													
1984	5	27	3	11.1	5	0	0.0	1	0	0.0	45	7	15.6
MARINE INLAND													

N/A - Not Applicable

TABLE II - PETROLEUM INDUSTRY - MOTOR VEHICLE ACCIDENTS PER 100 VEHICLES

BY DEPARTMENTS FOR 1984

		<u>PASSENGER CARS REPORTED SEPERATELY</u>			<u>TRUCKS REPORTED SEPERATELY</u>			<u>SERVICE VEHICLES REPORTED SEPERATELY</u>			<u>COMBINATION OF ALL VEHICLES REPORTED</u>		
<u>Year</u>	<u>No. of Cos.</u>	<u>No. of Cars</u>	<u>No. of Accidents</u>	<u>No. of Accidents Per 100 Vehicles</u>	<u>No. of Trucks</u>	<u>No. of Accidents</u>	<u>No. of Accidents Per 100 Vehicles</u>	<u>No. of Service Veh.</u>	<u>No. of Accidents</u>	<u>No. of Accidents Per 100 Vehicles</u>	<u>No. of All</u>	<u>No. of Accidents</u>	<u>No. of Accidents Per 100 Vehicles</u>
<u>RESEARCH AND DEVELOPMENT</u>													
1984	10	161	15	9.3	20	0	0.0	8	0	0.0	393	34	8.7
<u>GENERAL SERVICES</u>													
1984	11	129	11	8.5	257	54	21.0	158	28	17.7	723	138	19.1
<u>ADMINISTRATION, ENGINEERING & OTHER</u>													
1984	35	2,398	204	8.5	35	1	2.9	142	11	7.7	4,854	398	8.2

N/A - Not Applicable

¹E&P data unable to be separated into Exploration or Production functions.

²Pipeline data unable to be separated into Liquid or Gas functions.

REPORTED MOTOR VEHICLE ACCIDENTS IN THE PETROLEUM INDUSTRY IN 1984

COMPANIES PARTICIPATING IN THE 1984 SURVEY

Agway Petroleum Corporation
Alabama-Tennessee Natural Gas Co.
Amoco Oil Corporation
Armour Properties
Ashland Oil Incorporated
Atlantic Richfield Company
BP North America Petroleum, Inc.
Breckenridge Gasoline Company
Calcasieu Refining Company
CELERON Oil & Gas Company
Celsius Energy Company
Champlin Petroleum Company
Chevron U.S.A., Inc.
Cibro Petroleum Product, Inc.
Cities Service Oil & Gas
COC Corp., T/A Coastal Oil Company
Colonial Pipeline Company
Colorado Interstate Gas Company
Columbia Gas Transmission Corp.
Conoco Incorporation
Cook Inlet Pipeline Company
E. E. Fogelson
El Paso Natural Gas Company
El Paso Products Company
Equity Oil Company
Explorer Pipeline Company
Exxon Company, U.S.A.
Exxon Pipeline
Farmland Industries, Incorporated
Florida Hydrocarbons Company
Gladieux Refinery, Incorporated
Gulf Oil Corporation
Hewit & Dougherty
Husky Pipeline Company
Hydrocarbon Transportation, Inc.
Kansas Power & Light Company
Kentucky Hydrocarbon
KN Energy, Inc.
Lakehead Pipeline Company, Inc.
Lake Ronel Oil Company
Laurel Pipeline Company
Lone Star Gas Company
Mapco Petroleum Inc.
Meenan Oil
Mesa Petroleum Company

Mississippi Valley Gas Company
Mobil Oil Corporation
Mobil Pipeline Company
Mobil Research & Development Corp.
Monsanto Oil Company
Mountain Fuel Resources, Inc.
Murphy Oil U.S.A., Inc.
National Fuel Gas Supply Corp.
National Helium Corporation
Northern Gas Products Company
Northwest Central Pipeline
Northwest Pipeline
Ohio Oil Gathering Corp.
Oklahoma Natural Gas Company
Pacific Refining Company
Pennzoil Company
Peoples Natural Gas Company
Petrolane Lomita Gasoline Co.
Phillips Petroleum Company
Plantation Pipeline Company
Portal Pipeline Company
Portland Pipeline Corp.
Producers Gas Equities, Inc.
Shell Western E. & P. Inc.
Somerset Refinery Incorporated
Sonat Exploration Company
Southern Natural Gas Company
South Kentucky Purchasing Co., Inc.
Southwestern Refining Co., Inc.
SPPL, SDPC & BMP
Standard Oil Company (Ohio)
Tenneco Oil Company
Tesoro Petroleum Corporation
Texaco Incorporated
Texas Eastern Transmission Corp.
Tosco Corporation
Total Petroleum Incorporated
Union Gas System Incorporated
United Gas Pipeline Company
UPG Incorporated
Valero Energy Corporation
Wexpro Company
Witco, Kendall/Amalie Division
Wyatt Incorporated (L.O. Terminal)
Wyco Pipeline Company

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